

REMARKS

Further to the June 2, 2005 Response, the independent claims have been amended herein to recite that the torque applied to the stepper motor is calculated from current flowing in each excited phase of the stepper motor.

This invention distinguishes over the prior art in that electric current is supplied to drive the stepper motor only in an amount that is exactly required. To this end, the torque of the stepper motor is calculated, and the driving current is calculated from the calculated torque. Meanwhile, the torque at the stepper motor is calculated by measuring the amount of current flowing in each excited phase of the stepper motor.

CONCLUSION

In light of the above amendments and remarks, it is respectfully submitted that claims 1-15 are now in condition for allowance.

If there are any additional fees associated with this Response, please charge same to our Deposit Account No. 19-3935.

Finally, if there are any formal matters remaining after this Response, the undersigned would appreciate a telephone conference with the Examiner to attend to these matters.

Respectfully submitted,

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